

Datasheet for ABIN954381

anti-PTPRN antibody**2** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	PTPRN
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTPRN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant protein.
Clone:	8-00E-003
Isotype:	IgG2a
Specificity:	This antibody recognizes PTPRN
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Protein A Chromatography

Target Details

Target:	PTPRN
Alternative Name:	PTPRN (PTPRN Products)

Target Details

Background: IA-2, a R8 receptor protein tyrosine phosphatase, is one of the major autoantigens in type 1 diabetes. Autoantibodies against IA-2 have been detected in large numbers newly diagnosed patients with type 1 diabetes and appear to identify a subgroup of prediabetic subjects who rapidly progress to type 1 diabetes, however, IA-2 polymorphisms do not appear to be associated with type 1 diabetes. Three alternative spliced variants of IA-2 have been documented and alternative splicing of IA-2 gene has been suggested to be a permissive genetic mechanism for autoimmunity against the IA-2 type 1 diabetes autoantigen. Synonyms: ICA3, ICA512, Islet cell antigen 512, PTP IA-2, R-PTP-N, Receptor-type tyrosine-protein phosphatase-like N

Gene ID: 5798

NCBI Accession: [NP_002837](#)

UniProt: [Q16849](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

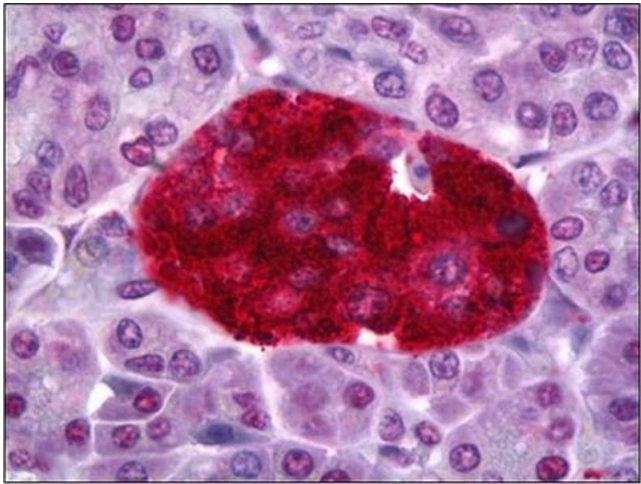
Handling

Buffer: PBS, pH 7.2

Handling Advice: Avoid repeated freezing and thawing.

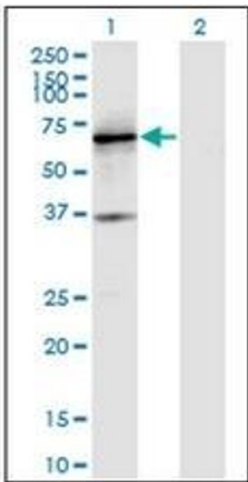
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry

Image 1.



Western Blotting

Image 2.